

## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Claims 1-4. (Cancelled).

Claim 5. (Currently Amended) A [[The]] base station as ~~claimed in claim 25~~ that offers radio communication services in a service area, said base station comprising:

receiving means for receiving information about broadcast information sent from other base station, the broadcast information including controlling information for controlling coverage of its own broadcast information;

broadcast information generating means for generating broadcast information about a broadcasting area of said base station, based upon said received information about the broadcast information;

judging means for judging whether a condition indicated by the controlling information is met or not, based upon said received information about the broadcast information; and

transferring means for, when a result of the judgment meets the condition, transferring said received information about broadcast information to base stations other than said other base station which is a source of the information about broadcast information,

wherein the controlling information for controlling the ~~transferable~~ coverage of the broadcast information includes a hopping number field value.

Claim 6. (Currently Amended) (Currently Amended) A ~~[[The]]~~ base station as ~~claimed in claim 25~~ that offers radio communication services in a service area, said base station comprising:

receiving means for receiving information about broadcast information sent from other base station, the broadcast information including controlling information for controlling coverage of its own broadcast information;

broadcast information generating means for generating broadcast information about a broadcasting area of said base station, based upon said received information about the broadcast information;

judging means for judging whether a condition indicated by the controlling information is met or not, based upon said received information about the broadcast information; and

transferring means for, when a result of the judgment meets the condition, transferring said received information about broadcast information to base stations other than said other base station which is a source of the information about broadcast information,

wherein the controlling information for controlling the ~~transferable~~ coverage of the broadcast information includes latitude and longitude information of a source base station and its desired reception coverage value.

Claims 7-25. (Cancelled).

Claim 26. (Currently Amended) The base station as claimed in claim 5 ~~any one of claims 5, 6 or 25~~, further comprising:

means for sending information about broadcast information which is a source and includes controlling information for controlling ~~transferable~~ coverage of its own broadcast information, to other base station using a multicast address.

Claim 27. (Currently Amended) A ~~[[The]]~~ method for controlling broadcast information ~~as claimed in claim 13~~ in a base station that offers radio communication services in a service area, said base station performing the steps of:

receiving information about broadcast information sent from other base station, the broadcast information including controlling information for controlling coverage of its own broadcast information;

generating broadcast information about a broadcasting area of said base station, based upon said received information about the broadcast information;

judging whether a condition indicated by the controlling information is met or not, based upon said received information about the broadcast information; and

when a result of the judgment meets the condition, transferring said received information about broadcast information to base stations other than said other base station which is a source of the information about broadcast information,

wherein the controlling information for controlling the ~~transferable~~ coverage of the broadcast information includes a hopping number field value.

Claim 28. (Currently Amended) A ~~[[The]]~~ method for controlling broadcast information ~~as claimed in claim 13, characterized in that the~~ in a base station that offers radio communication services in a service area, said base station performing the steps of:

receiving information about broadcast information sent from other base station, the broadcast information including controlling information for controlling coverage of its own broadcast information;

generating broadcast information about a broadcasting area of said base station, based upon said received information about the broadcast information;

judging whether a condition indicated by the controlling information is met or not, based upon said received information about the broadcast information; and

when a result of the judgment meets the condition, transferring said received information about broadcast information to base stations other than said other base station which is a source of the information about broadcast information,

wherein the controlling information for controlling the transferable coverage of the broadcast information includes latitude and longitude information of a source base station and its desired reception coverage value.

Claim 29. (Currently Amended) A base station as claimed in claim 5 ~~anyone of claims 5, 6 and 25~~, wherein the base station is in a mobile communication system that includes multiple base stations that are interconnected two-dimensionally and that offer radio communication services in individual service areas, wherein said multiple base stations are two-dimensionally interconnected.

Claim 30. (Previously Presented) The base station as claimed in claim 29, wherein a mobile station comprises means for acquiring broadcast information about an area other than a

broadcasting area the mobile station is visiting, from a base station in the broadcasting area the mobile station is visiting.

Claim 31. (New) The base station as claimed in claim 6, further comprising:

means for sending information about broadcast information which is a source and includes controlling information for controlling coverage of its own broadcast information, to other base station using a multicast address.

Claim 32. (New) A base station as claimed in claim 6, wherein the base station is in a mobile communication system that includes multiple base stations that are interconnected two-dimensionally and that offer radio communication services in individual service areas, wherein said multiple base stations are two-dimensionally interconnected.

Claim 33. (New) The base station as claimed in claim 32, wherein a mobile station comprises means for acquiring broadcast information about an area other than a broadcasting area the mobile station is visiting, from a base station in the broadcasting area the mobile station is visiting.